

5.3.8 Major Residential HVAC Equipment Lifetimes, Ages, and Replacement Picture

<u>Equipment Type</u>	<u>Typical Service Lifetime Range</u>	<u>Average Lifetime</u>	<u>2005 Average Stock Age</u>	<u>Units to be Replaced During 2010 (1,000s)</u>
Central Air Conditioners	8 - 14	11	8	5,354
Heat Pumps	9 - 15	12	8	1,260
Furnaces				
Electric	10 - 20	15	11	N.A.
Gas-Fired	12 - 17	15	11	2,601
Oil-Fired	15 - 19	17	N.A.	149
Gas-Fired Boilers (1)	17 - 24	20	17	204

Note(s): Lifetimes based on use by the first owner of the product, and do not necessarily indicate that the product stops working after this period. A replaced unit may be discarded or used elsewhere. 1) 2005 average stock age is for gas- and oil-fired steam and hot water boilers.

Source(s): Appliance Magazine, U.S. Appliance Industry: Market Share, Life Expectancy & Replacement Market, and Saturation Levels, January 2010, p. 10 for service and average lifetimes, and units to be replaced; ASHRAE, 1999 ASHRAE Handbook: HVAC Applications, Table 3, p. 35.3 for boilers service lifetimes; and EIA, Housing Characteristics 1990, May 1992, Table 7, p. 24 for 1990 average stock ages.